

WHAT IS CLAIMED IS:

1. A nasal topical application product for restricting the flow of airborne
contaminants into a human nasal passage by creation of an artificial
electrostatic field near the human nose, wherein the nasal application
product consists essentially of:

(a) a plurality of masses of one or more electrostatic
polymers; and,

(b) a topical carrier having said plurality of masses
dispersed through a portion thereof;

wherein at least one of said one or more electrostatic polymers is a
poly (dimethyl diallyl ammonium chloride) polymer and is included in
said product in an amount of at least 10% by weight, based on the total
weight of said plurality of masses of one or more electrostatic polymers
and said topical carrier.

2. The nasal application product of claim 1 wherein said product is

selected from the group consisting of topical solutions, semisolids, spray solutions and vaporizable solutions.

5 3. The nasal application product of claim ~~1~~ wherein said product is

selected from the group consisting of ointments, pastes, creams and gels.

4. The nasal application product of claim 1 wherein said carrier is

selected from the group consisting of diluents, volatile spray carriers, lotions, solvents, gels and hydrogels.

10

5. The nasal application product of claim ~~1~~ wherein said carrier is a

diluent selected from the group consisting of alcohols, glycerines,

organic surfactants, esters being of unsaturated fatty acids, and mixture

15

thereof.

6. The nasal application product of claim 4 wherein said carrier is a
volatile spray carrier selected from the group consisting of water, natural
oils, glycols, organic surfactants and mixtures thereof.

5 7. The nasal application product of claim 4 wherein said carrier is a
lotion selected from the group consisting of polyethylene glycols, natural
oils, silicones, homogenizers, and mixtures thereof.

8. The nasal application product of claim 4 wherein said carrier is a gel
selected from the group consisting of three dimensional polymeric
10 matrices of natural polymers, synthetic polymers, copolymers, and
mixtures thereof.

9. The nasal application product of claim 1 wherein said carrier includes
at least one honogenizer and at least one glycol polymer.
15

10. The nasal application product of claim 9 wherein said carrier includes about 1 to about 5% by weight of a glycol compound and about 60 to 85% by weight of water, based on the total weight of said plurality of masses of one or more electrostatic polymers and said topical carrier.

5

11. The nasal application product of claim 10 wherein said topical carrier includes:

(a.) about 1% to about 5% by weight of a glycol compound selected from the group consisting of polyethylene glycol, polypropylene glycol and mixtures thereof;

10

(b.) about 60% to about 85% by weight of water;

and,

(c.) about 0% to about 2.5% of one or more stearate compounds;

all of the above weight percentages being based on the total weight
of said plurality of masses of one or more electrostatic polymers and said
topical carrier.

5

12. The nasal application product of claim 1 wherein said product
further includes a substrate containing said carrier with said plurality of
masses of one or more electrostatic polymers dispersed through a portion
thereof.

10

13. The nasal application product of claim 11 wherein said substrate is
a flexible substrate having an adhesive thereof.

14. The nasal application product of claim 11 wherein said substrate is
a bandage.

15

15. The nasal application product of claim 12 wherein the nasal application product of claim 1 wherein said carrier includes at least one homogenizer and at least one glycol polymer.

5 16. The nasal application product of claim 15 wherein the nasal application product of claim 9 wherein said carrier includes about 1 to about 5% by weight of a glycol compound and about 60 to 85% by weight of water, based on the total weight of said plurality of masses of one or more electrostatic polymers and said topical carrier.

10 17. The nasal application product of claim 16 wherein said topical carrier includes:

a. about 1% to about 5% by weight of a glycol compound selected from the group consisting of polyethylene glycol, polypropylene glycol and mixtures thereof;

b. about 60% to about 85% by weight of water; and,

c. about 0% to about 2.5% of one or more stearate

compounds;

all of the above weight percentages being based on the total

weight of said plurality of masses of one or more electrostatic polymers

and said topical carrier.

5

18. The nasal application product of claim 13 wherein said carrier

includes at least one homogenizer and at least one glycol polymer.

19. The nasal application product of claim 18 wherein said carrier

includes about 60 to 85% by weight of water, based on the total weight

of said plurality of masses of one or more electrostatic polymers and said

topical carrier.

10

15

20. The nasal application product of claim 19 wherein said topical

carrier includes:

a. about 1% to about 5% by weight of a glycol compound

selected from the group consisting of polyethylene glycol,

5 polypropylene glycol and mixtures thereof;

b. about 60% to about 85% by weight of water; and,

c. about 0% to about 2.5% of one or more stearate

compounds;

all of the above weight percentages being based on the

10 total weight of said plurality of masses of one or more electrostatic

polymers and said topical carrier.

15